

- 1 1. An isolated nucleic acid molecule selected from the group consisting
2 of:
3 a) a nucleic acid molecule comprising a nucleotide sequence which is at
4 least 55% identical to the nucleotide sequence of SEQ ID NO:1, 3, 7, 9, 25, 27, 38, 40,
5 42, 48, 50, 51, 53, 54, 56, 60, 62, or the cDNA insert of the plasmid deposited with the
6 ATCC as any of Accession Numbers _____, or a complement thereof;
7 b) a nucleic acid molecule comprising a fragment of at least 300
8 nucleotides of the nucleotide sequence of SEQ ID NO:1, 3, 7, 9, 25, 27, 38, 40, 42, 48,
9 50, 51, 53, 54, 56, 60, 62, or the cDNA insert of the plasmid deposited with the ATCC as
10 any of Accession Numbers _____, or a complement thereof;
11 c) a nucleic acid molecule which encodes a polypeptide comprising the
12 amino acid sequence of SEQ ID NO:2, 8, 26, 39, 41, 43, 49, 52, 55, 61, or amino acid
13 sequence encoded by the cDNA insert of the plasmid deposited with the ATCC as any of
14 Accession Numbers _____;
15 d) a nucleic acid molecule which encodes a fragment of a polypeptide
16 comprising the amino acid sequence of SEQ ID NO:2, 8, 26, 39, 41, 43, 49, 52, 55, 61, or
17 the polypeptide encoded by the cDNA insert of the plasmid deposited with the ATCC as
18 any of Accession Numbers _____, wherein the fragment comprises at least 15
19 contiguous amino acids of SEQ ID NO:2, 8, 26, 39, 41, 43, 49, 52, 55, 61, or the
20 polypeptide encoded by the cDNA insert of the plasmid deposited with the ATCC as any
21 of Accession Numbers _____; and
22 e) a nucleic acid molecule which encodes a naturally occurring allelic
23 variant of a polypeptide comprising the amino acid sequence of SEQ ID NO:2, 8, 26, 39,
24 41, 43, 49, 52, 55, 61, or the amino acid sequence encoded by the cDNA insert of the
25 plasmid deposited with the ATCC as any of Accession Numbers _____,
26 wherein the nucleic acid molecule hybridizes to a nucleic acid molecule comprising SEQ
27 ID NO:1, 3, 7, 9, 25, 27, 38, 40, 42, 48, 50, 51, 53, 54, 56, 60, 62, or a complement
28 thereof under stringent conditions.

- 1 2. The isolated nucleic acid molecule of claim 1, which is selected from
2 the group consisting of:

17 acid molecule which hybridizes to a nucleic acid molecule comprising SEQ ID NO:1, 3,
18 7, 9, 25, 27, 38, 40, 42, 48, 50, 51, 53, 54, 56, 60, 62, or a complement thereof under
19 stringent conditions;
20 comprising culturing the host cell of claim 5 under conditions in which the
21 nucleic acid molecule is expressed.

1 13. A method for detecting the presence of a polypeptide of claim 8 in a
2 sample, comprising:

- 3 a) contacting the sample with a compound which selectively binds to a
4 polypeptide of claim 8; and
5 b) determining whether the compound binds to the polypeptide in the
6 sample.

1 14. The method of claim 13, wherein the compound which binds to the
2 polypeptide is an antibody.

1 15. A kit comprising a compound which selectively binds to a polypeptide
2 of claim 8 and instructions for use.

1 16. A method for detecting the presence of a nucleic acid molecule of
2 claim 1 in a sample, comprising the steps of:

- 3 a) contacting the sample with a nucleic acid probe or primer which
4 selectively hybridizes to the nucleic acid molecule; and
5 b) determining whether the nucleic acid probe or primer binds to a
6 nucleic acid molecule in the sample.

1 17. The method of claim 16, wherein the sample comprises mRNA
2 molecules and is contacted with a nucleic acid probe.

1 18. A kit comprising a compound which selectively hybridizes to a nucleic
2 acid molecule of claim 1 and instructions for use.

1 19. A method for identifying a compound which binds to a polypeptide of
2 claim 8 comprising the steps of:
3 a) contacting a polypeptide, or a cell expressing a polypeptide of claim 8
4 with a test compound; and
5 b) determining whether the polypeptide binds to the test compound.

1 20. The method of claim 19, wherein the binding of the test compound to
2 the polypeptide is detected by a method selected from the group consisting of:
3 a) detection of binding by direct detecting of test compound/polypeptide
4 binding;
5 b) detection of binding using a competition binding assay;
6 c) detection of binding using an assay for CARD-3, CARD-4, CARD-5,
7 or CARD-6-mediated signal transduction.

1 21. A method for modulating the activity of a polypeptide of claim 8
2 comprising contacting a polypeptide or a cell expressing a polypeptide of claim 8 with a
3 compound which binds to the polypeptide in a sufficient concentration to modulate the
4 activity of the polypeptide.

1 22. A method for identifying a compound which modulates the activity of
2 a polypeptide of claim 8, comprising:
3 a) contacting a polypeptide of claim 8 with a test compound; and
4 b) determining the effect of the test compound on the activity of the
5 polypeptide to thereby identify a compound which modulates the activity of the
6 polypeptide.